Datasheet for ABIN3031626

anti-LIN28A antibody (AA 108-138)

4 Images

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Overview

Quantity:	0.4 mL
Target:	LIN28A
Binding Specificity:	AA 108-138
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LIN28A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Immunogen:	A portion of amino acids 108-138 from the human protein was used as the immunogen for this LIN28A antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	LIN28A
Alternative Name:	LIN28A (LIN28A Products)
Background:	Acts as a 'translational enhancer', driving specific mRNAs to polysomes and thus increasing the efficiency of protein synthesis. Its association with the translational machinery and target

Target Details

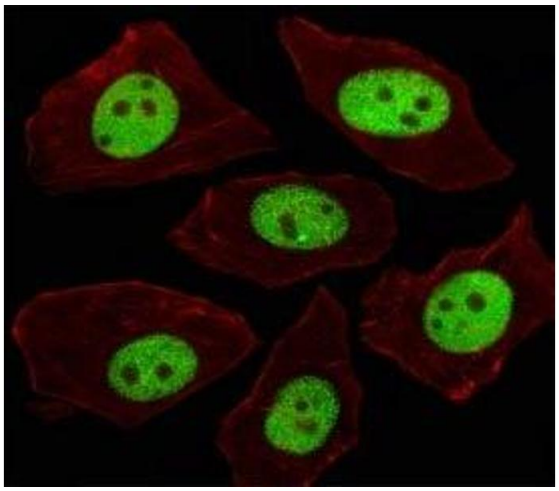
	mRNAs results in an increased number of initiation events per molecule of mRNA and, indirectly, in stabilizing the mRNAs. Binds IGF2 mRNA, MYOD1 mRNA, ARBP/36B4 ribosomal protein mRNA and its own mRNA. Essential for skeletal muscle differentiation program through the translational up-regulation of IGF2 expression (By similarity). Acts as a suppressor of microRNA (miRNA) biogenesis by specifically binding the precursor let-7 (pre-let-7), a miRNA precursor. Acts by binding pre-let-7 and recruiting ZCCHC11/TUT4 uridylyltransferase, leading to the terminal uridylation of pre-let-7. Uridylated pre-let-7 miRNAs fail to be processed by Dicer and undergo degradation. Degradation of pre-let-7 in embryonic stem (ES) cells contributes to the maintenance of ES cells. In contrast, LIN28A down-regulation in neural stem cells by miR-125, allows the processing of pre-let-7. Specifically recognizes the 5'-GGAG-3' motif in the terminal loop of pre-let-7. Also recognizes and binds non pre-let-7 pre-miRNAs that contain the 5'-GGAG-3' motif in the terminal loop, leading to their terminal uridylation and subsequent degradation.
UniProt:	Q9H9Z2
Pathways:	Stem Cell Maintenance

Application Details

Application Notes:	Titration of the LIN28A antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Immunofluorescence: 1:10-1:100,IHC (Paraffin): 1:50-1:100,Flow Cytometry: 1:10-1:50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the LIN28A antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

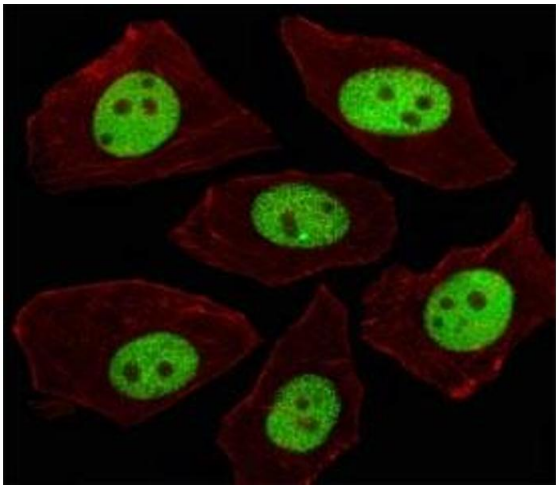


Immunofluorescence

Image 1. Immunofluorescent analysis of A549 cells using LIN28A antibody at 1:100. Alexa Fluor 488-conjugated secondary was used (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 conjugated Phalloidin (red).

Western Blotting

Image 2. LIN28A antibody western blot analysis in mouse Neuro-2a lysate. Predicted molecular weight ~23 kDa.



Immunofluorescence

Image 3. Immunofluorescent analysis of A549 cells using LIN28A antibody at 1:100. Alexa Fluor 488-conjugated secondary was used (green). Cytoplasmic actin was counterstained with Dylight Fluor 554 conjugated Phalloidin (red).

Please check the product details page for more images. Overall 4 images are available for ABIN3031626.